

Doc Code:

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/002,613
		Filing Date	11/1/2001
		First Named Inventor	Edwin Wang
		Art Unit	3731
		Examiner Name	Kevin Thao Truong
Total Number of Pages in This Submission	24	Attorney Docket Number	ACSC 59944 (2285P)

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form	<input checked="" type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Postcard; Request for Certificate of Correction
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Certificate
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	OCT 04 2005
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	of Correction
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		CUSTOMER NO. 24201

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	FULWIDER PATTON LEE & UTECHT, LLP		
Signature			
Printed name	Gunther O. Hanke		
Date	September 27, 2005	Reg. No.	32,989

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Gunther O. Hanke	Date	September 27, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OCT 05 2005

Doc Code:

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective 02/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL
for FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** \$100.00**Complete if Known**

Application Number	10/002,613
Filing Date	11/1/2001
First Named Inventor	Edwin Wang
Examiner Name	Kevin Thao Truong
Art Unit	3731
Attorney Docket No.	ACSC 59944 (2285P)

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: 06-2425 Deposit Account Name: Fulwider Patton et al.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid(\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	\$50.00	= \$0.00

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	\$200.00	= \$0.00

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	0	/ 50 0 (round up to a whole number) x	\$250.00	= \$0.00

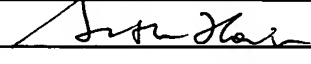
4. OTHER FEE(S)

Non-English specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request for Certificate of Correction

\$100.00

SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	32,989	Telephone	310-824-5555
Name (Print/Type)	Gunther O. Hanke			Date	September 27, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

OCT 05 2005



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

EDWIN WANG ET AL.

Patent No.: 6,918,920 B1

Issued: July 19, 2005

Serial No: 10/002,613

Filed: November 1, 2001

For: CATHETER HAVING AN
IMPROVED DISTAL TIP

Examiner: Kevin Thao Truong

Group Art Unit: 3731

Client ID/Matter No: ACSC 59944 (2285P)

September 27, 2004

Los Angeles, California 90045

REQUEST FOR CERTIFICATE OF CORRECTION

Certificate of Correction Department
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The above-identified patent has been found to have errors as set forth in the enclosed Certificate of Correction. It is requested that this Certificate of Correction be issued and returned to us. Since these errors occurred in the final printing phase of the patent and in the final application, a check in the amount of \$100.00 is enclosed to cover the necessary fees. If any additional fees are needed, please charge Deposit Account No. 06-2425.

10/03/2005 LWONDIM1 00000035 6918920

01 FC:1811

100.00 OP

OCT 05 2005

The errors are verifiable in the patent application file as follows:

ERRORS

Title page, under U.S. PATENT DOCUMENTS, insert the following:

3,832,253	8/1974	Di Palma
3,865,666	2/1975	Shoney
3,884,242	5/1975	Bazell
4,157,094	6/1979	Patel
4,276,874	7/1981	Wolvek
4,385,635	5/1983	Ruiz
4,413,989	11/1983	Schjeldahl et al.
4,496,345	1/1985	Hasson
4,540,404	9/1985	Wolvek
4,702,252	10/1987	Brooks
4,706,670	11/1987	Anderson
4,782,834	11/1988	Maguire
4,917,667	4/1990	Jackson
4,921,483	5/1990	Wijay et al.
5,078,702	7/1992	Pomeranz
5,171,232	12/1992	Castillo et al.
5,234,416	8/1993	Macauley et al.
5,250,069	10/1993	Nobuyoshi et al.
5,267,959	12/1993	Forman
5,366,442	11/1994	Wang et al.
5,425,712	6/1995	Goodin
5,697,906	12/1997	Ariola et al.
5,728,063	3/1998	Preissman et al.
5,728,065	3/1998	Follmer et al.
5,762,637	6/1998	Berg et al.
5,769,819	6/1998	Schwab et al.
5,769,730	6/1998	Parker
5,827,225	10/1998	Schwab
5,843,090	12/1998	Schuetz
5,891,110	4/1999	Larson
6,193,686 B1	2/2001	Estrada et al.
6,368,301 B1	4/2002	Hamilton

Title page, under FOREIGN PATENT DOCUMENTS, insert the following:
DE 3900635 A1 12/1990
EP 0597465 A1 5/1994

APPLICATION FILE

Information Disclosure Statement dated September 16, 2002, Supplemental Information Disclosure Statement dated June 24, 2003, and Second Supplemental Information Disclosure Statement dated February 27, 2004.
See Attachment A.

Information Disclosure Statement dated September 16, 2002, Supplemental Information Disclosure Statement dated June 24, 2003, and Second

ERRORS

EP 1103280 A1 11/1996
EP 0517075 A1 1/1997
EP 0742029 A1 5/2001
GB 2337094 A 10/1999
WO 99/44666 10/1999
WO 01/34240 5/2001

Column 2, line 29, delete "secure" and insert --secured--.

Column 5, line 43 through Column 8, line 13, delete in its entirety and insert claims:

1. A balloon catheter, comprising:
 - a) an elongated shaft having a proximal end, a distal end, a proximal shaft section, a distal shaft section, an outer tubular member defining an inflation lumen, and an inner tubular member defining a portion of a guidewire receiving lumen extending along at least a portion of the distal shaft section, and a polymeric distal tip member having a proximal end secured to a distal end of the inner tubular member to form a joint with the distal end of the inner tubular member, the distal tip member defining a distal portion of the guidewire receiving lumen in fluid communication with the portion of the guidewire receiving lumen defined by the inner tubular member and a port at the distal end of the shaft, the polymeric material of the distal tip member having a first Shore durometer hardness;
 - b) a balloon on the distal shaft section having a proximal shaft section bonded to the outer tubular member, a distal shaft section bonded to the inner tubular member, an inflatable section, and an interior in fluid communication with the inflation lumen; and

APPLICATION FILE

Supplemental Information Disclosure Statement dated February 27, 2004.
See Attachment A.

Applicant error.

Second Preliminary Amendment dated February 27, 2004. See Attachment B.

ERRORS

APPLICATION FILE

c) a polymeric sleeve secured to the distal tip member and the inner tubular member, and disposed about the joint between the distal tip member and the inner tubular member, and having a proximal end located distal to the distal end of the balloon, and a distal end located proximal to a distal end of the distal tip member, the polymeric material of the sleeve having a second Shore durometer hardness which is less than the first Shore durometer of the distal tip member.

2. The balloon catheter of claim 1 wherein the proximal end of the sleeve butts-up to the distal end of the balloon distal shaft section.

3. The balloon catheter of claim 1 wherein the proximal end of the distal tip member forms a butt-joint with the distal end of the inner tubular member.

4. The balloon catheter of claim 1 wherein the polymeric material of the sleeve is compatible with the polymeric material of the distal tip member and is fusion bonded thereto.

5. The balloon catheter of claim 1 wherein the second Shore durometer hardness of the polymeric material of the sleeve is not less than about 40D, and the first Shore durometer hardness of the polymeric material of the distal tip member is about 55D.

6. The balloon catheter of claim 1 wherein the polymeric material of the distal tip member is a polyether block

ERRORS

APPLICATION FILE

amide.

7. The balloon catheter of claim 1 wherein the proximal end of the distal tip member extends proximally over the distal end of the catheter shaft which extends beyond the distal balloon shaft section.


These errors occurred in good faith and correction thereof does not involve such changes in the patent as would constitute new matter or would require re-examination. It is requested that a Certificate of Correction be issued and returned to us.

Attached hereto, in duplicate, is Form PTO-1050, with at least one copy being suitable for printing.

A duplicate of this document is attached.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By: 
Gunther O. Hanke
Registration No. 32,989

GOH:ck
Enclosures

Howard Hughes Center
6060 Center Drive, Tenth Floor
Los Angeles, CA 90045
Telephone: (310) 824-5555
Facsimile: (310) 824-9696
Customer No. 24201



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

EDWIN WANG ET AL.

Patent No.: 6,918,920 B1

Issued: July 19, 2005

Serial No: 10/002,613

Filed: November 1, 2001

For: CATHETER HAVING AN
IMPROVED DISTAL TIP

Examiner: Kevin Thao Truong

Group Art Unit: 3731

Client ID/Matter No: ACSC 59944 (2285P)

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4,702,252	10/1987	Brooks
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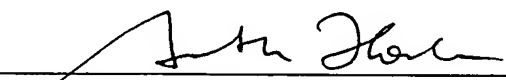
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Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By: 
Gunther O. Hanke
Registration No. 32,989

GOH:ck
Enclosures

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Customer No. 24201



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Inventors: Edwin Wang et al.

Serial No. 10/002,613

Filed: November 1, 2001

For: **CATHETER HAVING AN
IMPROVED DISTAL TIP**

Examiner: not yet assigned

Group Art Unit: 3761

Atty. Docket No.: ACSC 59944
(2285)

September 12, 2002

RECEIVED

SEP 19 2002

TECHNOLOGY CENTER

XS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The documents listed on the enclosed Form PTO/SB/08A have come to the attention of Applicants and are submitted to the Patent Office under 37 C.F.R. § 1.97(c). A copy of each of the listed documents is enclosed.

The Examiner is respectfully requested to consider and cite the enclosed references.

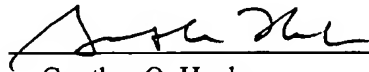
This Information Disclosure Statement is being submitted pursuant to C.F.R. 1.97(b)(3), and therefore no fee is due.

However, if a fee is due the Commissioner is authorized to charge our Deposit
Account No. 06-2425. **A duplicate of this sheet is enclosed.**

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By



Gunther O. Hanke

Registration No. 32,989

GOH:psm

Enc.: Form PTO/SB/08A (34 references)

Copies of references

Howard Hughes Center
6060 Center Drive, Tenth Floor
Los Angeles, California 90045
Tel. No. (310) 824-5555
Fax No. (310) 824-9696
Customer No. 24201

249523.1



INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/002,613
				Filing Date	November 1, 2001
				First Named Inventor	Edwin Wang
				Group Art Unit	3761
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	ACSC 59944 (2285)

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document No.		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if Known)			
		3,832,253		Di Palma et al.	08/27/1974	
		3,865,666		Shoney	02/11/1975	
		3,884,242		Bazell et al.	05/20/1975	
		4,157,094		Patel	06/05/1979	
		4,276,874		Wolvek et al.	07/07/1981	
		4,385,635		Ruiz	05/31/1983	
		4,413,989		Schjeidahl et al.	11/08/1983	
		4,496,345		Hasson	01/29/1985	
		4,540,404		Wolvek	09/10/1985	
		4,702,252		Brooks et al.	10/27/1987	
		4,706,670		Andersen et al.	11/17/1987	
		4,782,834		Maguire et al.	11/08/1988	
		4,917,667		Jackson	04/17/1990	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if Known)				
		EPO	0517075 A1		Advanced Cardiovascular Systems, Inc.	15.01.1997		Y
		WO	99/44666		Scimed Life Systems, Inc.	10.09.1999		Y
		GB	2337094A		Smith Industries Public Limited Company	10.11.1999		Y
		DE	3900635A1		Schultz-Pfahler	12.7.1990		N

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/002,613		
		Filing Date	November 1, 2001		
		First Named Inventor	Edwin Wang		
		Group Art Unit	3761		
		Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	ACSC 59944 (2285)

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document No.		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if Known)			
		4,921,483		Wijay et al.	05/01/1990	
		5,078,702		Pomeranz	01/07/1992	
		5,171,232		Castillo et al.	12/15/1992	
		5,234,416		Macaulay et al.	08/10/1993	
		5,250,069		Nobuyoshi et al.	10/05/1993	
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		5,366,442		Wang et al.	11/22/1994	
		5,425,712		Goodin	06/20/1995	
		5,697,906		Ariola et al.	12/16/1997	
		5,728,063		Preissman et al.	03/17/1998	
		5,728,065		Follmer et al.	03/17/1998	
		5,762,637		Berg et al.	06/09/1998	
		5,769,819		Schwab et al.	06/23/1998	
		5,769,830		Parker	06/23/1998	
		5,827,225		Ma Schwab	10/27/1998	
		5,843,090		Schuetz	12/01/1998	
		5,891,110		Larson et al.	04/06/1999	

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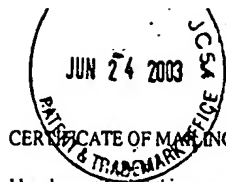
SEP 19 2002

TECHNOLOGY CENTER H3700

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if Known)				

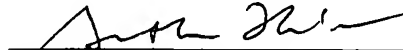
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature		Date Considered	
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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service on June 17, 2003 with sufficient postage as First Class Mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Günther O. Hanke, Reg. No. 32,989

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Inventor: Edwin Wang, et al.

Serial No. 10/002,613

Filed: November 1, 2001

For: CATHETER HAVING AN
IMPROVED DISTAL TIP

Examiner: Unassigned

Group Art Unit: 3761

Client ID/Matter No. ACSC-59944 (2285P)

June 17, 2003

#6

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure set forth in 37 C.F.R. § 1.56 and the procedure set forth in 37 C.F.R. §§ 1.97 and 1.98, Applicants submit for the Examiner's consideration the attached PTO Form PTO/SB/08A. A copy of each of the listed references also is enclosed.

The cited documents were brought to the Applicants' attention in a Search Report for an International application pending under the Patent Cooperation Treaty which asserts priority to U.S. Serial No. 10/002,613 ("613 application"), which Search Report was communicated on May 13, 2003, not more than three months ago.



Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	1
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Application Number	10/002,613
Filing Date	November 1, 2001
First Named Inventor	Edwin Wang, et al.
Art Unit	3761
Examiner Name	Unassigned
Attorney Docket Number	ACSC-59944

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

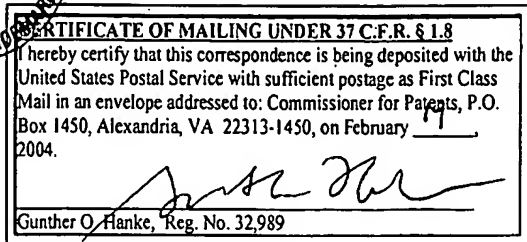
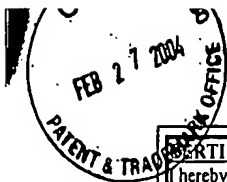
**Examiner
Signature**

Date
Considered

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/002,613
Applicants	:	Edwin Wang et al.
Filed	:	November 1, 2001
Title	:	CATHETER HAVING AN IMPROVED DISTAL TIP
Art Unit	:	3761
Examiner	:	Unknown
Docket No.:	:	ACSC 59944 (2285P)
Customer No.	:	24201

SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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MAR 03 2004

TECHNOLOGY CENTER R3700

Dear Sir:

Pursuant to the duty of disclosure and 37 CFR §1.97(b)(3), enclosed is Form PTO SB/08B, listing references not previously submitted which may be material to the patentability of the invention. The Examiner is respectfully requested to consider and cite the references.

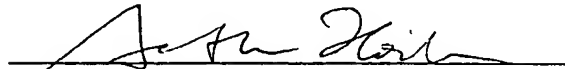
This Information Disclosure Statement is being submitted under 37 CFR
§ 1.97(b)(3), and therefore no fee is due.

Please charge any additional fees or credit any overpayment to our Deposit Account No. 06-2425. A duplicate of this document is enclosed.

Respectfully submitted,

FULWIDER PATTON LEE & UTECHT, LLP

By:



Gunther O. Hanke

Registration No. 32,989

GOH:PMM:psm

Enclosures: Form PTO SB/08B

Howard Hughes Center
6060 Center Drive, Tenth Floor
Los Angeles, CA 90045
Telephone: (310) 824-5555
Facsimile: (310) 824-9696
Customer No. 24201

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Approved for Release through 06/30/2003 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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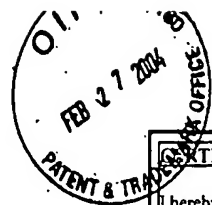
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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[Signature]
Gunther O. Hanke, Reg. No. 32,989



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	:	10/002,613
Applicants	:	Edwin Wang et al.
Filed	:	November 1, 2001
Title	:	CATHETER HAVING AN IMPROVED DISTAL TIP
Art Unit	:	3761
Examiner	:	Unknown
Docket No.:	:	ACSC 59944 (2285P)
Customer No.	:	24201

**SECOND PRELIMINARY AMENDMENT AND
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Non-Fee Amendment
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Dear Sir/Madam:

Please preliminarily amend the above-referenced application as follows.

Claims start on page 2.

Remarks start on page 4.

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1 - 35. (cancelled)

36. (currently amended) A balloon catheter, comprising:

6¹ a) an elongated shaft having a proximal end, a distal end, a proximal shaft section, a distal shaft section, an outer tubular member defining an inflation lumen, and an inner tubular member defining a portion of a guidewire receiving lumen extending along at least a portion of the distal shaft section, and a polymeric distal tip member having a proximal end secured to a distal end of the inner tubular member to form a joint with the distal end of the inner tubular member, the distal tip member defining a distal portion of the guidewire receiving lumen in fluid communication with the portion of the guidewire receiving lumen defined by the inner tubular member and a port at the distal end of the shaft, the polymeric material of the distal tip member having a first Shore durometer hardness;

b) a balloon on the distal shaft section having a proximal shaft section bonded to the outer tubular member, a distal shaft section bonded to the inner tubular member, an inflatable section, and an interior in fluid communication with the inflation lumen; and

c) a ~~flexible~~ polymeric sleeve secured to the distal tip member and the inner tubular member, and disposed about the joint between the distal tip member and the

inner tubular member, and having a proximal end located distal to the distal end of the balloon, and a distal end located proximal to a distal end of the distal tip member, the polymeric material of the sleeve having a second Shore durometer hardness which is less than the first Shore durometer of the distal tip member.

37. (previously presented) The balloon catheter of claim 36 wherein the proximal end of the sleeve butts-up to the distal end of the balloon distal shaft section.

38. (previously presented) The balloon catheter of claim 36 wherein the proximal end of the distal tip member forms a butt-joint with the distal end of the inner tubular member.

39. (currently amended) The balloon catheter of claim 36 wherein the polymeric material of the sleeve is formed of a polymeric material compatible with [[a]] the polymeric material of the distal tip member and is fusion bonded thereto.

40. (new) The balloon catheter of claim 36 wherein the second Shore durometer hardness of the polymeric material of the sleeve is not less than about 40D, and the first Shore durometer hardness of the polymeric material of the distal tip member is about 55D.

41. (new) The balloon catheter of claim 36 wherein the polymeric material of the distal tip member is a polyether block amide.

42. (new) The balloon catheter of claim 36 wherein the proximal end of the distal tip member extends proximally over the distal end of the catheter shaft which extends beyond the distal balloon shaft section.

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 4

PATENT NO. : 6,918,920 B1

APPLICATION NO.: 10/002,613

ISSUE DATE : July 19, 2005

INVENTOR(S) : Edwin Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, under U.S. PATENT DOCUMENTS, insert the following:

3,832,253	8/1974	Di Palma
3,865,666	2/1975	Shoney
3,884,242	5/1975	Bazell
4,157,094	6/1979	Patel
4,276,874	7/1981	Wolvek
4,385,635	5/1983	Ruiz
4,413,989	11/1983	Schjeldahl et al.
4,496,345	1/1985	Hasson
4,540,404	9/1985	Wolvek
4,702,252	10/1987	Brooks
4,706,670	11/1987	Anderson
4,782,834	11/1988	Maguire
4,917,667	4/1990	Jackson
4,921,483	5/1990	Wijay et al.
5,078,702	7/1992	Pomeranz
5,171,232	12/1992	Castillo et al.
5,234,416	8/1993	Macauley et al.
5,250,069	10/1993	Nobuyoshi et al.
5,267,959	12/1993	Forman
5,366,442	11/1994	Wang et al.
5,425,712	6/1995	Goodin

MAILING ADDRESS OF SENDER:

**Gunther O. Hanke
Fulwider Patton Lee & Utecht LLP
6060 Center Drive, 10th Floor
Los Angeles, CA 90045**

This collection of information is required by 37 CFR 1.322 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief of Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

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OCT 05 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 2 of 4

PATENT NO. : 6,918,920 B1

APPLICATION NO.: 10/002,613

ISSUE DATE : July 19, 2005

INVENTOR(S) : Edwin Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

5,697,906	12/1997	Ariola et al.
5,728,063	3/1998	Preissman et al.
5,728,065	3/1998	Follmer et al.
5,762,637	6/1998	Berg et al.
5,769,819	6/1998	Schwab et al.
5,769,730	6/1998	Parker
5,827,225	10/1998	Schwab
5,843,090	12/1998	Schuetz
5,891,110	4/1999	Larson
6,193,686 B1	2/2001	Estrada et al.
6,368,301 B1	4/2002	Hamilton

Title page, under FOREIGN PATENT DOCUMENTS, insert the following:

DE 3900635 A1 12/1990
EP 0597465 A1 5/1994
EP 1103280 A1 11/1996
EP 0517075 A1 1/1997
EP 0742029 A1 5/2001
GB 2337094 A 10/1999
WO 99/44666 10/1999
WO 01/34240 5/2001

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OCT 05 2005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 3 of 4

PATENT NO. : 6,918,920 B1
APPLICATION NO.: 10/002,613
ISSUE DATE : July 19, 2005
INVENTOR(S) : Edwin Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2,

Line 29, delete "secure" and insert --secured--.

Column 5, line 43 through Column 8, line 13, delete in its entirety and insert claims:

1. A balloon catheter, comprising:

- a) an elongated shaft having a proximal end, a distal end, a proximal shaft section, a distal shaft section, an outer tubular member defining an inflation lumen, and an inner tubular member defining a portion of a guidewire receiving lumen extending along at least a portion of the distal shaft section, and a polymeric distal tip member having a proximal end secured to a distal end of the inner tubular member to form a joint with the distal end of the inner tubular member, the distal tip member defining a distal portion of the guidewire receiving lumen in fluid communication with the portion of the guidewire receiving lumen defined by the inner tubular member and a port at the distal end of the shaft, the polymeric material of the distal tip member having a first Shore durometer hardness;
- b) a balloon on the distal shaft section having a proximal shaft section bonded to the outer tubular member, a distal shaft section bonded to the inner tubular member, an inflatable section, and an interior in fluid communication with the inflation lumen; and
- c) a polymeric sleeve secured to the distal tip member and the inner tubular member, and disposed about the joint between the distal tip member and the inner tubular member, and having a proximal end located distal to the distal end of the balloon, and a distal end located proximal to a distal end of the distal tip member, the polymeric material of the

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Gunther O. Hanke
Fulwider Patton Lee & Utecht LLP
6060 Center Drive, 10th Floor
Los Angeles, CA 90045

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 4 of 4

PATENT NO. : 6,918,920 B1
APPLICATION NO.: 10/002,613
ISSUE DATE : July 19, 2005
INVENTOR(S) : Edwin Wang et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

sleeve having a second Shore durometer hardness which is less than the first Shore durometer of the distal tip member.

2. The balloon catheter of claim 1 wherein the proximal end of the sleeve butts-up to the distal end of the balloon distal shaft section.

3. The balloon catheter of claim 1 wherein the proximal end of the distal tip member forms a butt-joint with the distal end of the inner tubular member.

4. The balloon catheter of claim 1 wherein the polymeric material of the sleeve is compatible with the polymeric material of the distal tip member and is fusion bonded thereto.

5. The balloon catheter of claim 1 wherein the second Shore durometer hardness of the polymeric material of the sleeve is not less than about 40D, and the first Shore durometer hardness of the polymeric material of the distal tip member is about 55D.

6. The balloon catheter of claim 1 wherein the polymeric material of the distal tip member is a polyether block amide.

7. The balloon catheter of claim 1 wherein the proximal end of the distal tip member extends proximally over the distal end of the catheter shaft which extends beyond the distal balloon shaft section.

MAILING ADDRESS OF SENDER:

**Gunther O. Hanke
Fulwider Patton Lee & Utecht LLP
6060 Center Drive, 10th Floor
Los Angeles, CA 90045**

This collection of information is required by 37 CFR 1.322 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief of Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORM TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

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